**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_ PER. \_\_\_\_\_\_**

**Adopt-An-Element**

**Background:**

Elements are the building blocks of matter. Everything around you is made up of elements. Remember elements are made up of one type of atom only and cannot be broken down further. All elements have certain properties such as atomic number, mass, etc. These properties determine what types of other elements can bond together, as well as how these elements will react.

**Purpose**

Today you wil “adopt” an orphan element and you will create an advertisement which tells us about your element. You can use any type of media you choose to make your advertisement. The advertisement will be worth 60% of the grade and your element information sheet will be worth 40% of the grade. You can use any and all resources, internet, textbooks, etc., to research your element and prepare your advertisement.

**Procedure**:

1. Complete the “Adopt and Element” information sheet.

2. Create an advertisement for your element. The advertisement should include:

a. The element’s name

b. The element’s symbol

c. The element’s atomic number

d. The element’s stomic mass

e. A slogan that describes one or more of th element’s uses.

f. Make the advertisement colorful and eyecatching. Use pictures, etc., to grab the reader’s attention

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PER. \_\_\_\_\_\_\_**

**ADOPT AN ELEMENT – INFORMATION SHEET**

**ELEMENT NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **SYMBOL** |  |
| **ATOMIC NUMBER** |  |
| **ATOMIC MASS** |  |
| **# OF PROTONS** |  |
| **# OF NEUTRONS** |  |
| **# OF ELECTRONS** |  |
| **MELTING POINT (0C)** |  |
| **BOILING PINT (0C)** |  |
| **NORMAL PHASE** |  |

**CLASSIFICATION: \_\_\_\_\_ Metal \_\_\_\_\_ Non-Metal \_\_\_\_\_\_ Metalloid**

**My Element belongs to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ family.**

**Orgin of name** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Discovered by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Discovered in: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Other interesting facts about my element (provide at LEAST 6).**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ADOPT AN ELEMENT GRADE SHEET**

**Advertisement (60 pts.)**

**Provided Basic Information (30 pts.)**

**Name (10 pts.) \_\_\_\_\_\_\_\_\_\_**

**Symbol (10 pts.) \_\_\_\_\_\_\_\_\_\_**

**Atomic Number (5 pts.) \_\_\_\_\_\_\_\_\_\_**

**Atomic Mass (5 pts.) \_\_\_\_\_\_\_\_\_\_**

**Advertisement (20 pts)**

**Pictures appropriate for element & uses (5 pts) \_\_\_\_\_\_\_\_\_\_\_**

**Slogan (10 pts.) \_\_\_\_\_\_\_\_\_\_\_**

**Colorful & eyecatching (5 pts.) \_\_\_\_\_\_\_\_\_\_\_**

**Miscellaneous (10 pts)**

**Followed directions (5 pts.) \_\_\_\_\_\_\_\_\_\_\_**

**Spelling, grammar & neatness \_\_\_\_\_\_\_\_\_\_\_**

**INFORMATION SHEET (40 pts)**

**All information recorded on sheet,**

**Neat, organized. \_\_\_\_\_\_\_\_\_\_\_\_\_**

**TOTAL (out of 100) \_\_\_\_\_\_\_\_\_\_\_\_\_\_**